## 2006 Wildfire Season Assessment **Fire Behavior Potential State Preparations** Accomplishments **Current Priorities**

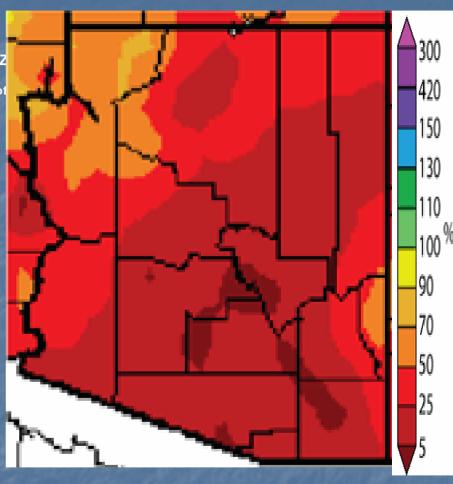
## Better Late Than Never



Or is it?

### It Had Been Dry – Really Dry

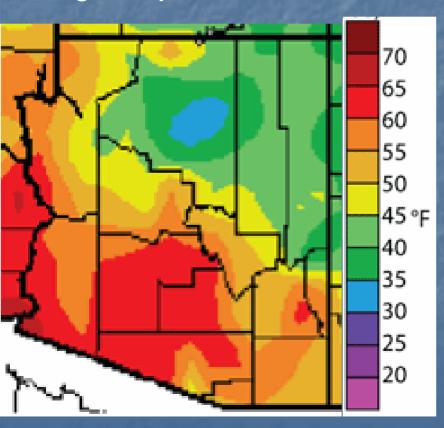
| Basin                                       | Snow Water Equivalent<br>Percent of Average as<br>of March 5 |
|---|--|
| VERDE RIVER BASIN                           | 0% As c  |
| SAN FRANCISCO PEAKS                         | 19%  |
| CENTRAL MOGOLLON RIM                        | 0%   |
| LITTLE COLORADO - SOUTHERN<br>HEADWATERS    | 1%   |
| UPPER SALT RIVER BASIN / WHITE<br>MOUNTAINS | 1%   |
| SAN FRANCISCO RIVER BASIN                   | 3%   |
| UPPER GILA RIVER BASIN                      | 5%   |

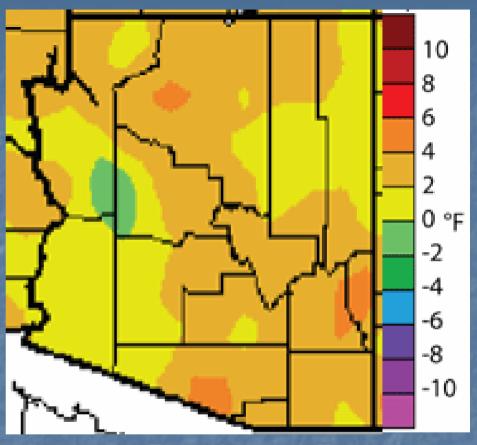


% of Average Precipition
Oct 1, 2005 – Feb 15, 2006

## And, It's Been Warm – Really Warm

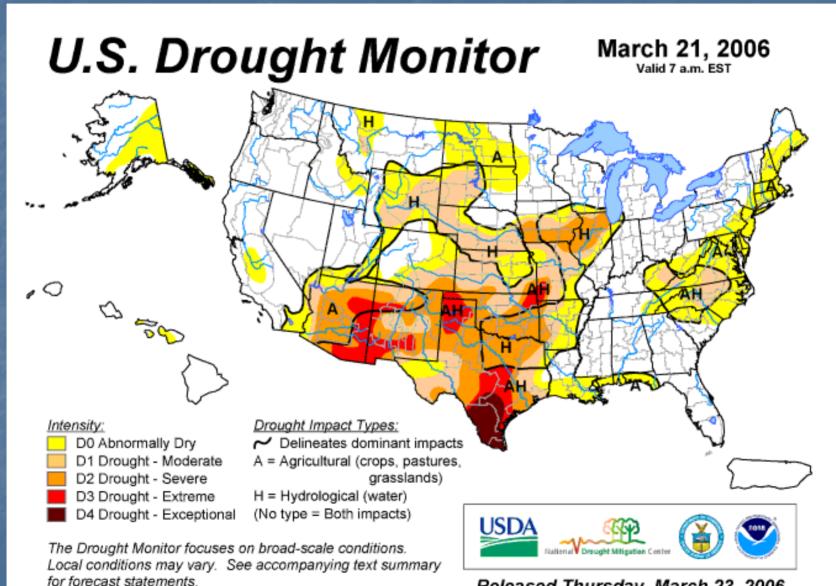
#### Average Temperature





Departure From Average Temperature

**Drought** – Moderate to Severe drought conditions existed across almost all of the State with Extreme Drought Conditions in southeast Arizona.

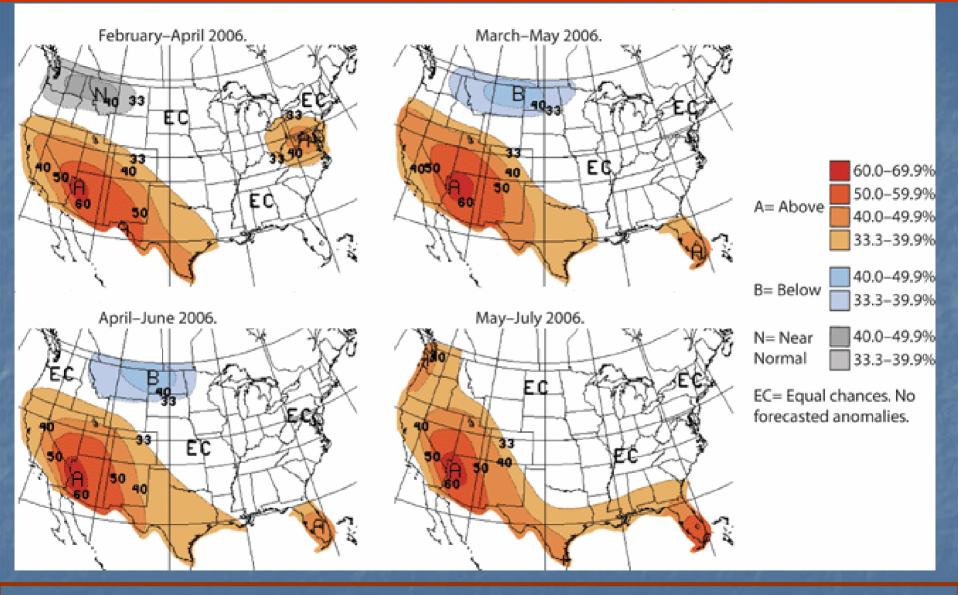


http://drought.unl.edu/dm

Released Thursday, March 23, 2006

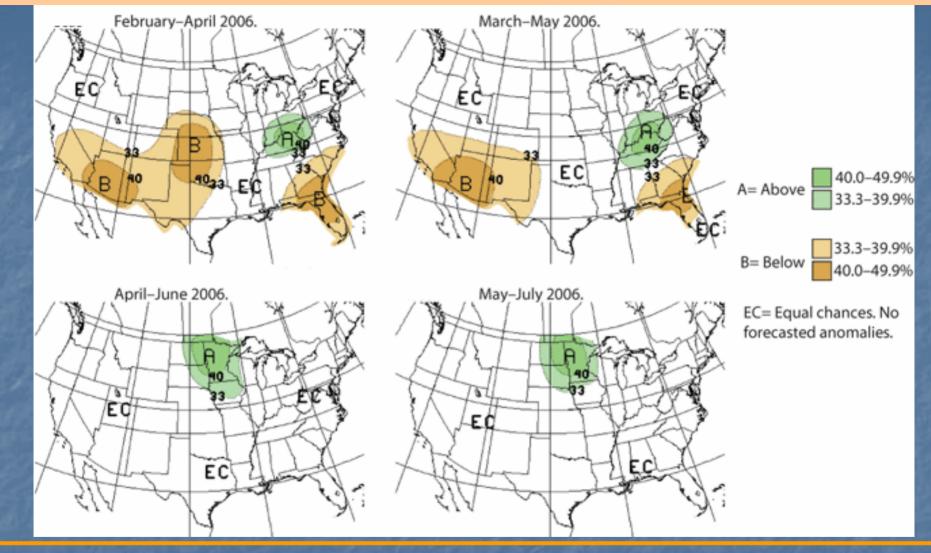
Author: R. Heim/L. Love-Brotak, NOAA/NESDIS/NCDC

#### Temperature Outlook (Through July 2006)



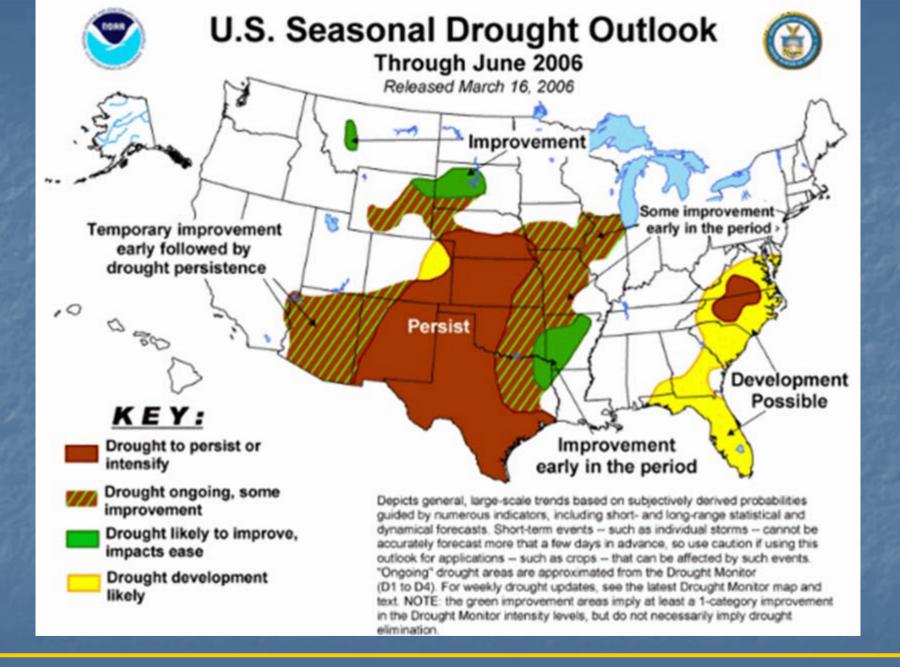
Forecasting Models Predict a Very High Probability (60% to 70%) for Above Normal Temperatures for Most of Arizona through July 2006.

#### Precipitation Outlook (February–July 2006)

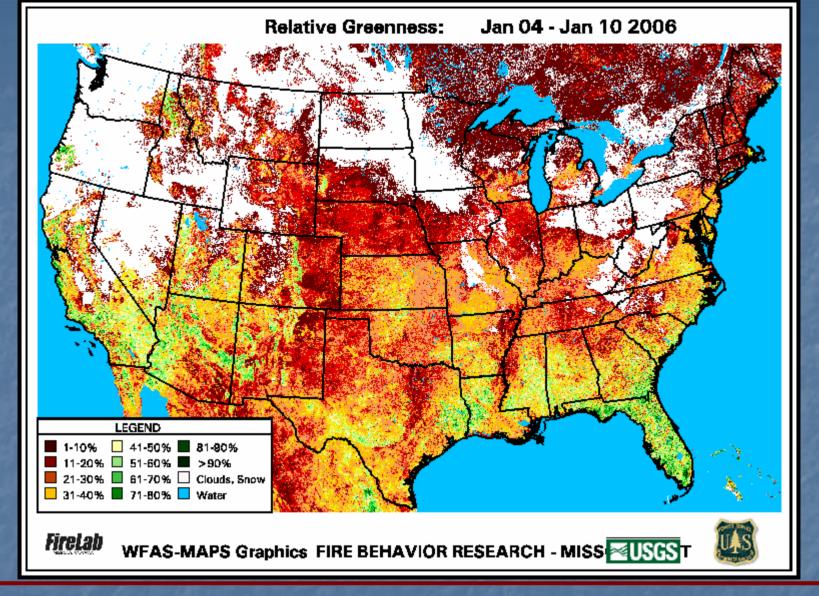


The Outlook is for Increased Chances of Below Average Precipitation for most Arizona through May 2006. The Models indicate "Equal Chances" for Above or Below or Normal Precipitation during the spring.

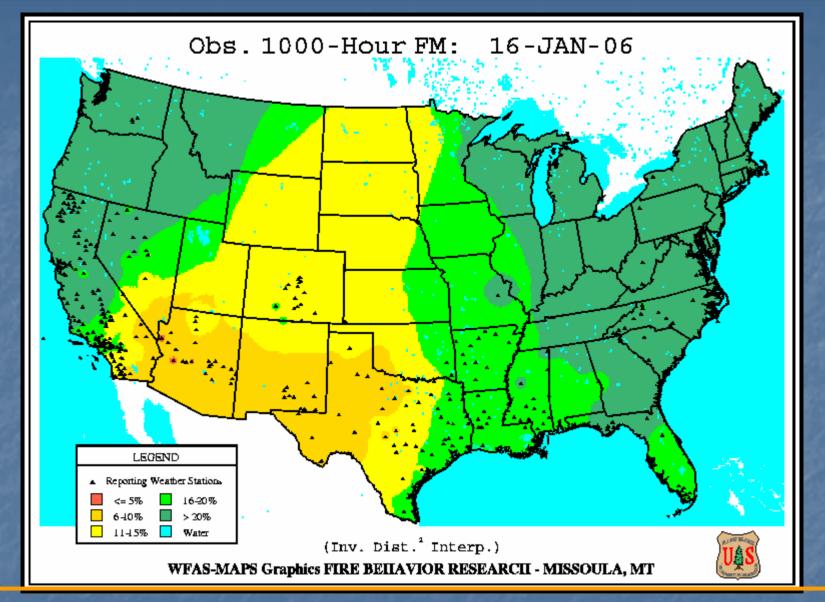
However, April and May are typically VERY dry.







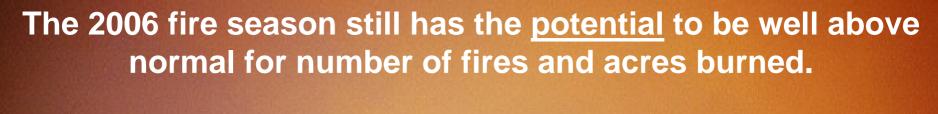
Live Fuel Moisture Content Is Well Below Normal For The Winter Months in All Fuel Types. Tree Crowns / Brush Fields Will Not Experience Normal Spring Moisture Recovery



Moisture Content of Dead Fuels Had Been Nearing Normal Summer Values, They Have Not "wetted" and Will Continue to Dry to Extremely Low Values Through The Spring & Summer





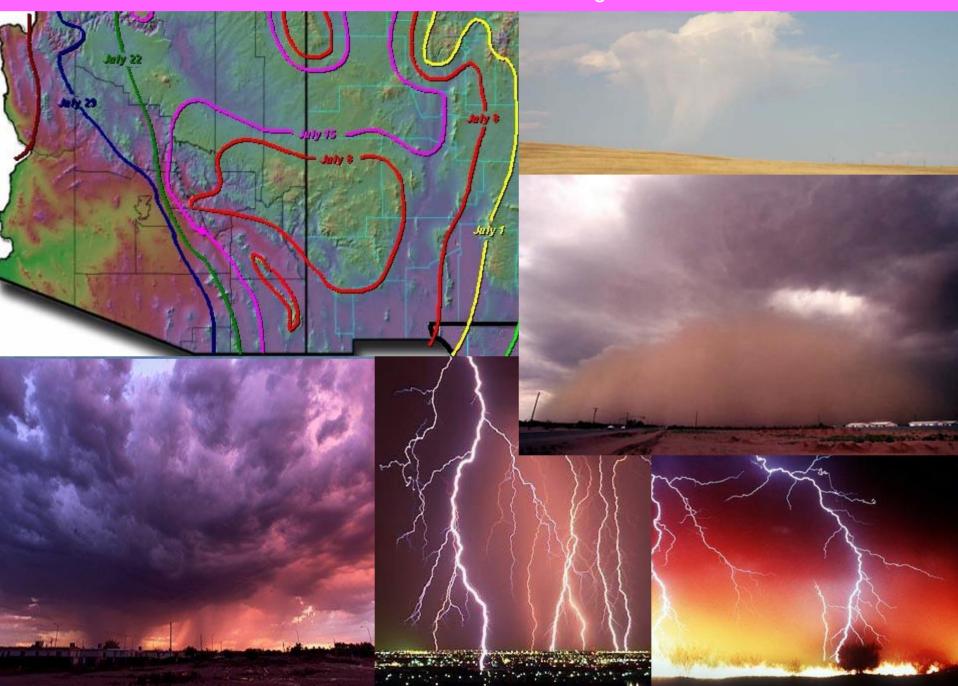


It will <u>likely</u> be characterized by an early and active season in all fuel regimes across most of the State, with above normal <u>potential</u> for ignition and large fire development.





There Are No PreSeason Indicators About The Timing or Nature Of The Monsoon



60% of Arizona's Fires are Started By People -

Aggressive Public Education and Prevention Programs May Reduce the Number of Fire Starts This Year.





There is Plenty of Time and Support Available to Homeowners Now to Protect Their Property From Summer Wildfires

## Home & Property Losses Are NOT Inevitable



### **State Forestry Preparedness Plans**



Single Engine Airtankers

National Guard & DPS Helicopters



Out-of-state Strike Teams

15 Inmate Fire Fuels Crews

Dispatching Upgrades











| Federally Contracted Fixed Wing Aircraft | 2002 | 2003       | 2004     | 2005     | 2006        |
|--|------|------------|----------|----------|-------------|
| <u>Large Airtankers</u>                  | 44   | 33         | 10 (EOY) | 17 (EOY) | 16 (6/1/06) |
| DC-7                                     |      |            | 1        | 1        | 0           |
| P2V                                      |      |            | 2        | 9        | 9           |
| P-3                                      |      |            | 8        | 7        | 7           |
| Supplemental A/C                         |      | The second |          |          |             |
| MAFFS                                    |      |            | 8        | 8        | 4           |
| CL 215 / 415                             |      |            | 2        | 2        | 2           |
| SEAT                                     |      |            | 36       | 25       | 22          |

## Helicopter Resources

**Exclusive Use T-III helicopters** 

- 10 in SW

Call-When-Needed T-III helicopters

- 10 in SW

**Exclusive Use T-II helicopters** 

-7 nationally,  $1 \overline{AZ}$ 

**Exclusive Use T-I helicopters** 

-16 nationally, 1 AZ

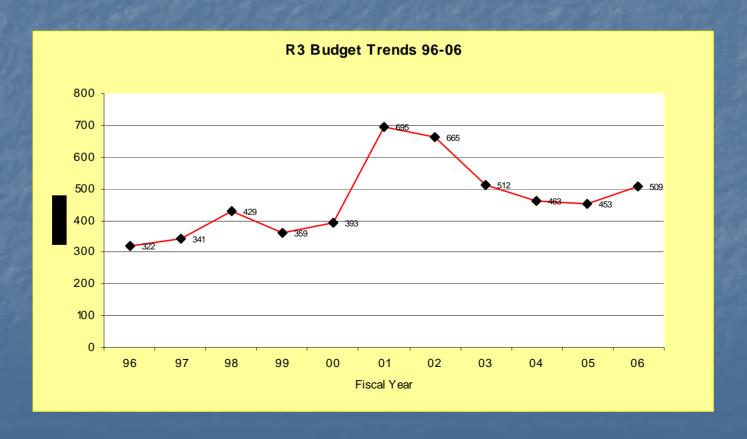
**CWN** helicopters

estimated 50 available nationally in various size categories



## Forest Service R3 2006

- Firefighting capability will be  $\geq 2005$
- Severity requests for additional capability





# EVACUATION PLANNING

## Wild-land Fire Tabletop Exercise February 28, 2006

LOCAL:

**AUTHORITY** 

PROCEDURES (ROUTES/SHELTERS)

STATE ASSISTANCE:

LAW ENFORCEMENT

**SECURITY** 

TRANSPORTATION

MASS CARE

# MASS CARE, VOLUNTEER & DONATIONS MANAGEMENT











### PRIVATE PARTNERSHIPS

**✓** UTILITIES



✓ TRANSPORTATION



✓ COMMUNICATIONS





## www.az211.gov

Statewide Health & Human Resources And Emergency Bulletin System

## COMMUNICATIONS STRATEGY

MOBILE COMMUNICATIONS & COMMAND CENTER

MOBILE INTEROPERABILITY COMMUNICATIONS

EMERGENCY MANAGEMENT NETWORK

STATEWIDE MUTUAL AID NET

## RECOVERY ACTIVITIES

FAMILY ASSISTANCE SERVICE CENTER & COMMUNITY RECOVERY TEAM

RECOVERY OF PUBLIC INFRASTRUCTURE

RECLAMATION / REFORESTATION



## May 30, 2000 - Governor Hull convened the "AZ/NM Summit – Our Communities and Our Forests at Risk"

Arizona's 1st collaborative "Communities- at-Risk" List

Governor's Forest Health/Fire Plan Advisory Committee

Arizona/New Mexico "Regional Ten Year Comprehensive Plan for Reducing Wildlife Risk and Restoring Ecosystems

- Recommend project priorities and confirm funding needs for local community, State, tribal and federal with a roughly \$100 Million Dollar Price tag for Arizona Forests (Federal, State, and Private)

### March 10, 2003 - Governor Janet Napolitano's 1st Forest Health and Safety Conference "Building on Lessons Learned"

#### 1. Arizona Forest Health Advisory Council

broad cross-section of representation to utilize a science-based approach to improving the health of Arizona's forests.

- Develop guiding principles for the design and implementation of restoration-based fuel reduction and forest health projects based on the best science available;
- Coordinate activities to monitor and evaluate results of existing demonstration restoration projects in Arizona to share lessons learned;
- Evaluate existing and potential sustainable economic uses for small diameter trees;
- Develop incentives for homeowners and homeowner associations for community/neighborhood partnering.

#### 2. Governor's Forest Health Oversight Council

Governor's Office, Legislature, state agencies, Forest Health Advisory Council and community at large.

- Serve in oversight role to ensure implementation of Governor's Forest Health and Safety Action Plan. Major Goals of the Action Plan are:
- Promote Inter-governmental/Inter-agency Coordination
- Set Priorities for Protecting our Forested Communities
- Improve Education and Communication
- Provide Our Communities and Citizens with Much-Needed Tools
- Work w/ Congressional Delegation to Secure Resources and Develop Sound Policy for Arizona

# March 19, 2004 - Governor Janet Napolitano's 2nd Annual Forest Conference: "The Next 100 Years"

- -examine the progress made over the past year on the recommendations from the conference
- -examine ways to prioritize forest health projects across the landscape;
- -evaluate options to derive economic benefit for rural communities while making healthy forests a priority;
- -develop an action plan for forest health and community protection for 2004.
- Arizona's Healthy Forest Legislation, House Bill 2549
  - 6 Companies Certified
  - 8 Qualified Projects

March 22, 2005 - Governor Janet Napolitano's 3rd Annual Forest Conference: "Arizona's Forests: Why should we care?"

# GUIDING PRINCIPLES FOR FOREST ECOSYSTEM RESTORATION AND COMMUNITY PROTECTION for A New Economy Based on Forest Restoration Restoration Economy

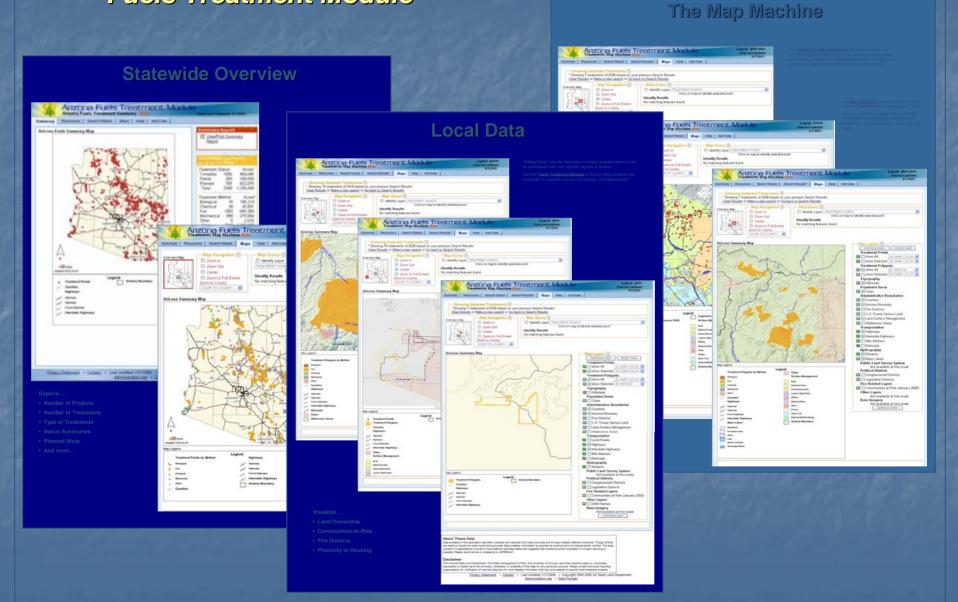
Arizona Fire Map

A Statewide Standard

Document for Information Technology Projects

Executive Order 2005-05, Renewable Energy/Energy Efficiency In new State Buildings

## www.azfiremap.org - Fuels Treatment Module -



Governor Napolitano's 4th Annual Forest Health & Safety Conference

"A Statewide Strategy for Ariozna's Forests and Communities:

#### Empowering Place-Based Action"

- Development and Continued Existence of Small-Diameter Utilization Infrastructure
- Emphasize Biomass as a Greater Component of Arizona's Environmental Portfolio Standards Programs
- -Inform and Guide the 6 Forest Plan Revisions
- -Integrate and Support Community Wildfire Protection Plans
- -Serve as a Source of Information and Decision Support for All Stakeholders

#### Arizona Community Wildfire Protection Plan (CWPP) Status - February 9, 2006

To date, their have been 11 CWPPs completed within Arizona.

The plan analysis areas encompass over 7 million acres of federal, state, tribal, and private land.

71 of the states 159 identified Communities At Risk (CAR) fall within these completed plans.

#### The completed plans include:

**Graham County** 

Approximate Acres: 2,975,000

Communities At Risk: 4

**Greater Williams Area** 

Approximate Acres: 326,000

Communities At Risk: 3\*

**Mogollon Rim** 

Approximate Acres: 290,000

Communities At Risk: 31

**Northern Apache County** 

**Approximate Acres: 498,000** 

**Communities At Risk: 5** 

**Sitgreaves National Forest** 

Approximate Acres: 960,000

**Communities At Risk: 11** 

Yavapai Communities

Approximate Acres: 960,000 Communities At Risk: 8

**Greater Flagstaff Area** 

Approximate Acres: 923,000

Communities At Risk: 8

**Greenlee County** 

Approximate Acres: 1,175,000

Communities At Risk: 0

**Mount Lemmon** 

Approximate Acres: 8,000

**Communities At Risk: 1** 

**Palominas** 

**Approximate Acres: 17,000** 

Communities At Risk: 0

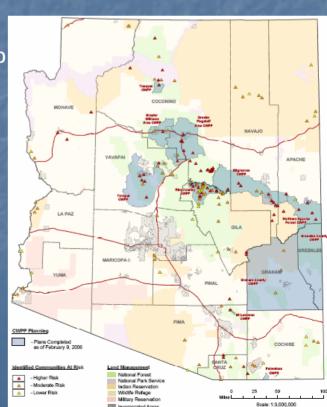
Tusavan

Approximate Acres: 64,000

**Communities At Risk: 1** 

Planning Areas In Process

Cascabel Blue Ridge



#### **Federal Fuels Treatment Totals for Arizona**

| (As of 3/8/2006)             | FFY03<br>Reporte  | FFY04<br>ed Accomplish | FFY05<br>ments    | (3 Yr total)      | FF\<br>YTD | /06<br>Total<br>Planned | FFY07<br>Reported<br>Planned | 5 Yr Total<br>Actual<br>and<br>Planned |
|------------------------------|-------------------|------------------------|-------------------|-------------------|------------|-------------------------|------------------------------|--|
| DOI Acres PIndCosts (\$ Mil) | 118,867<br>\$12.0 | 98,261<br>\$11.0       | 122,015<br>\$8.6  | 339,143<br>\$31.6 | 21,945     | 99,230<br>\$5.8         | 45,051<br>\$3.3              | 483,424<br>\$40.7                      |
| FS Acres PlndCosts (\$ Mil)  | 67,061<br>\$8.4   | 130,447<br>\$18.7      | 156,422<br>\$15.9 | 353,930<br>\$43.0 | 61,215     | 94,720<br>\$10.5        | 46,965<br>\$6.6              | 495,615<br>\$60.1                      |
| Total Acres                  | 185,948           | 228,738                | 278,462           | 693,148           | 83,160     | 193,966                 | 92,026                       | 979,140                                |
| PIndCosts (\$ Mil)           | \$20.4            | \$29.7                 | \$24.5            | \$74.6            | F A K      | \$16.3                  | \$9.9                        | \$100.8                                |

#### Summary of State Fire Assistance Accomplishments

| <u>Year</u> | <u>Plans</u> | <u>Programs</u> | Fuels Projects | Acres Treated | Homes Protected |
|-------------|--------------|-----------------|----------------|---------------|-----------------|
| 2001        | 773          | 126             | 117            | 4,789         | 2,281           |
| 2002        | 60           | 78              | 24             | 6,537         | 1,095           |
| 2003        | 48           | 21              | 19             | 9,092         | 2,567           |
| 2004        | 32           | 10              | 18             | 2,307         | 889             |
| 2005        | 15           | 1               | 4              | 140           | <u>84</u>       |
| 5-Yr        | 928          | 236             | 182            | 22,865        | 6,916           |

2006 Planned Accomplishments: 18 Projects / 5,934 Acres / \$ 4,090,000

<sup>\$ 14,317,707</sup> Provided by State and Federal Grants

<sup>\$ 26,387,090</sup> With Community Match

# Forest Health Restoration Grants

- 2003 2 Grants \$ 161,000
- 2004 3 Grants \$ 1,000,000
- 2005 4 Grants \$ 675,000
- 3Year 9 Grants \$ 1,836,000

#### Summary of Rural and Volunteer Fire Assistance

| <u>Year</u> | #of Projects | <u>Dollars Provided</u> |
|-------------|--------------|-------------------------|
| 2001        | 65           | \$ 678,500              |
| 2002        | 63           | \$ 715,000              |
| 2003        | 54           | \$ 298,000              |
| 2004        | 66           | \$ 892,000              |
| 2005        | 59           | \$ 896,000              |
| 5 Yr        | 307          | \$ 3,961,500            |

# FIREWISE and Other Public Education Activities

### 8 Firewise Recognized Communities

- Timber Ridge,
- Forest Highlands,
- Mt. Lemmon,
- Palominas
- Retreat @ Walnut Creek
- Oracle
- Groom Creek
- Highland Pines

500,000 Firewise Brochures Distributed in 2004

300,000 Updated Brouchures Distributed in 2005

197 Workshops in last 5 Years

Governor's and Black Canyon City Firewise PSAs

Billy Brush Wacker CD for Pine/Strawberry

Community Firewise Awareness Days

**Groom Creek** 

Arivaca

**Black Canyon City** 

## Questions?

Answers: www.azstatefire.org